

Figure 1A

x

+

ef	94	ca	b3	y					
a6	31	e7	4d	x					
00	00	01	e3	44	1c	a2	13	07	a

0	9b	8b	12	a6	4d	8d	8f	de	result
---	----	----	----	----	----	----	----	----	--------

Figure 1B

4019505843 y

2788288333 x

531356654375687 a

11208072603116605406

result

Figure 1C

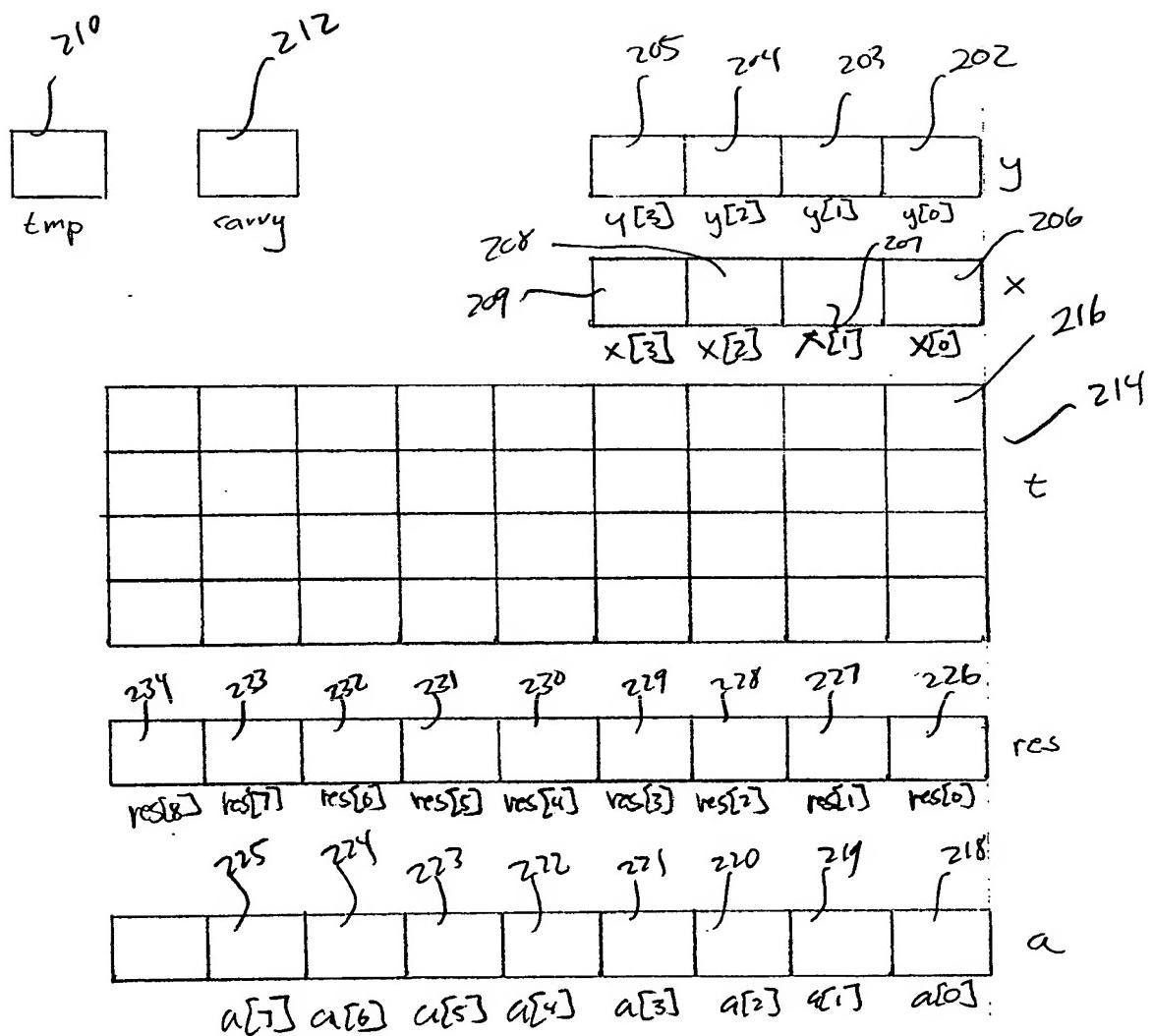


Figure 2A

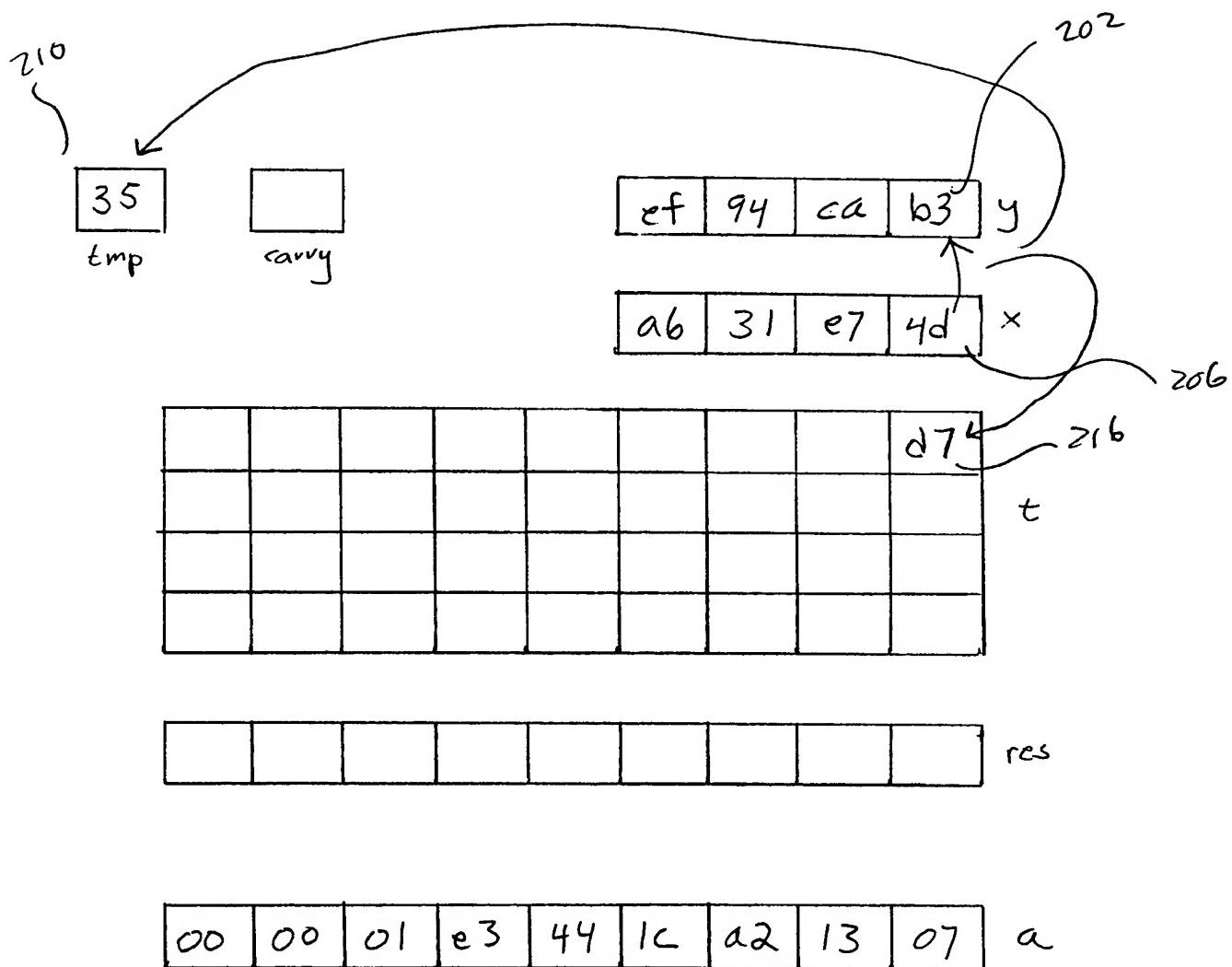


Figure 2B

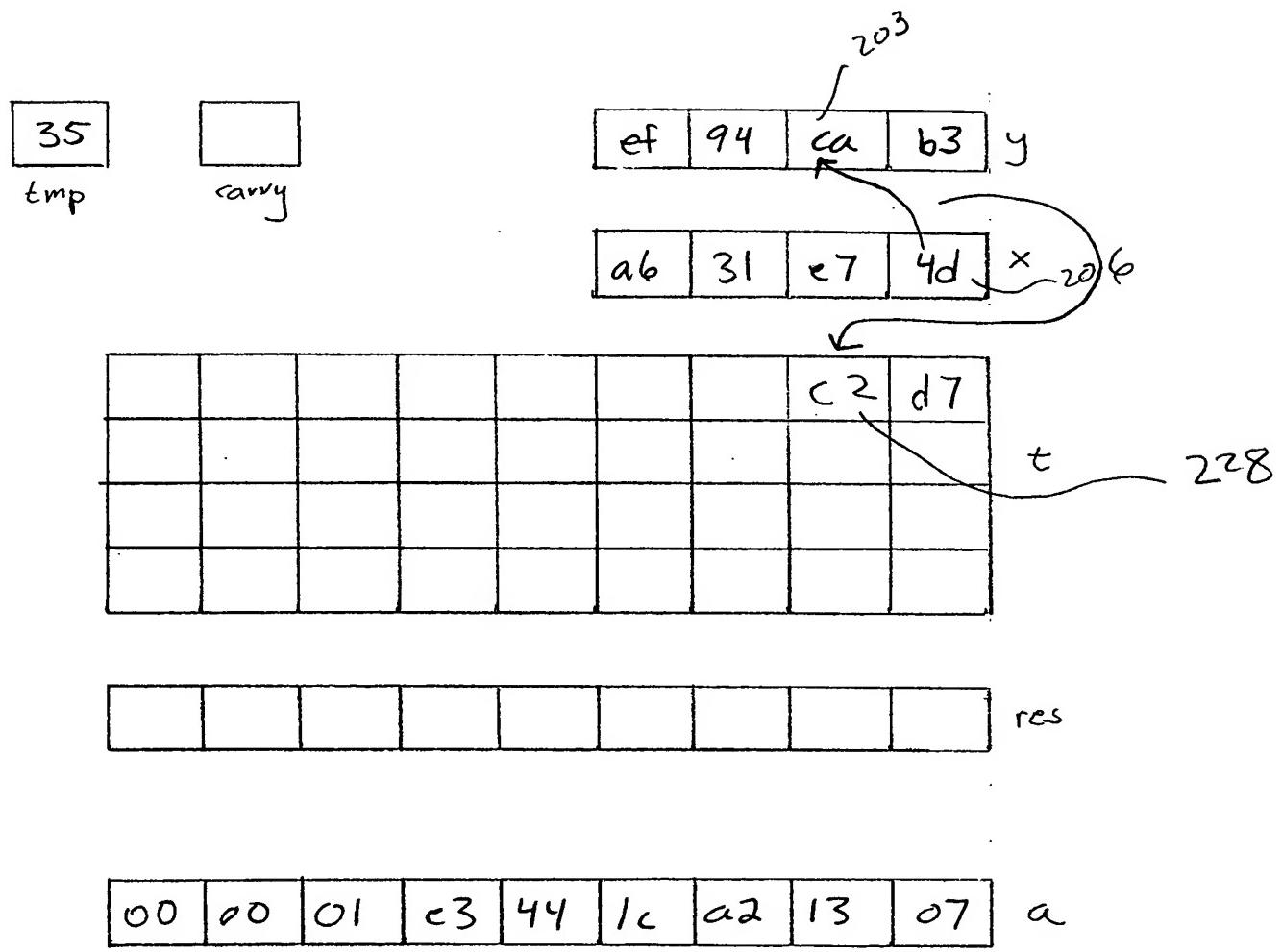


Figure 2c

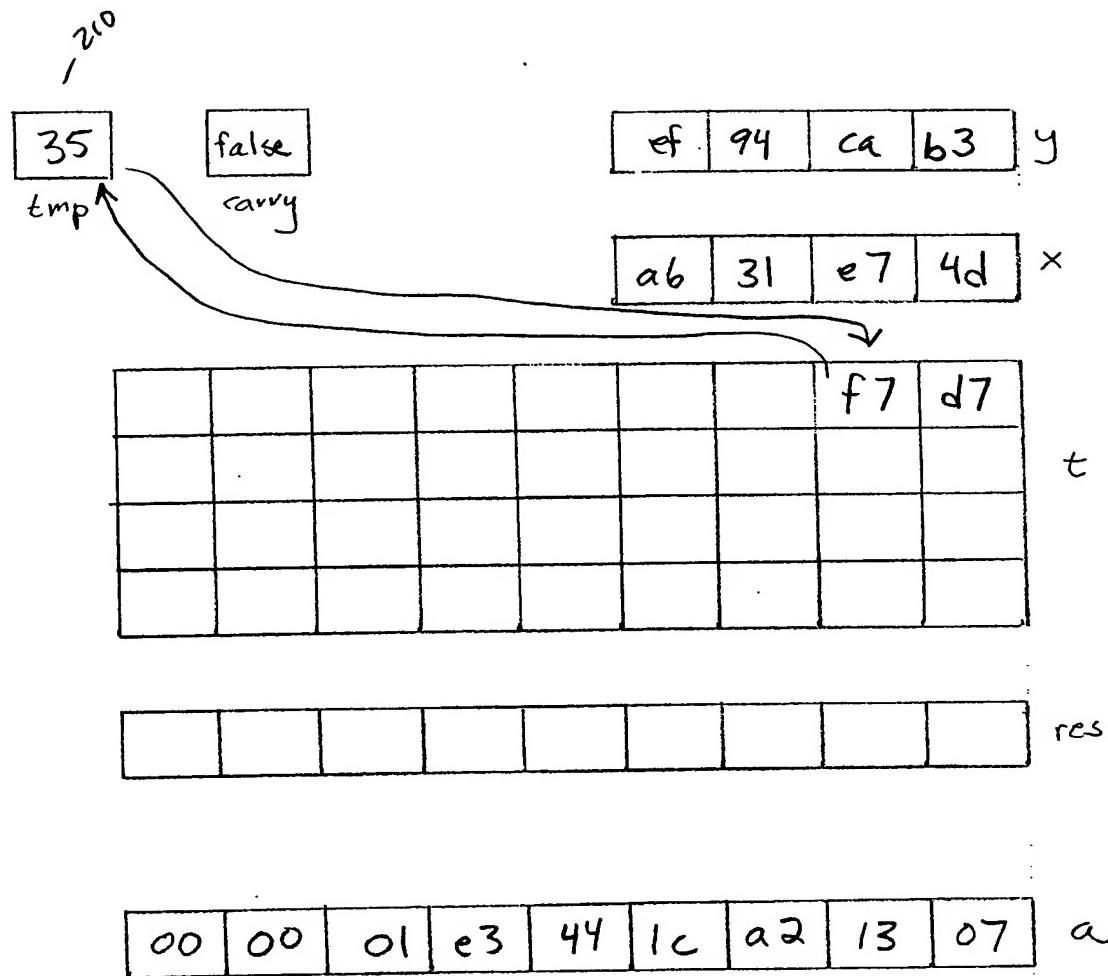


Figure 2D

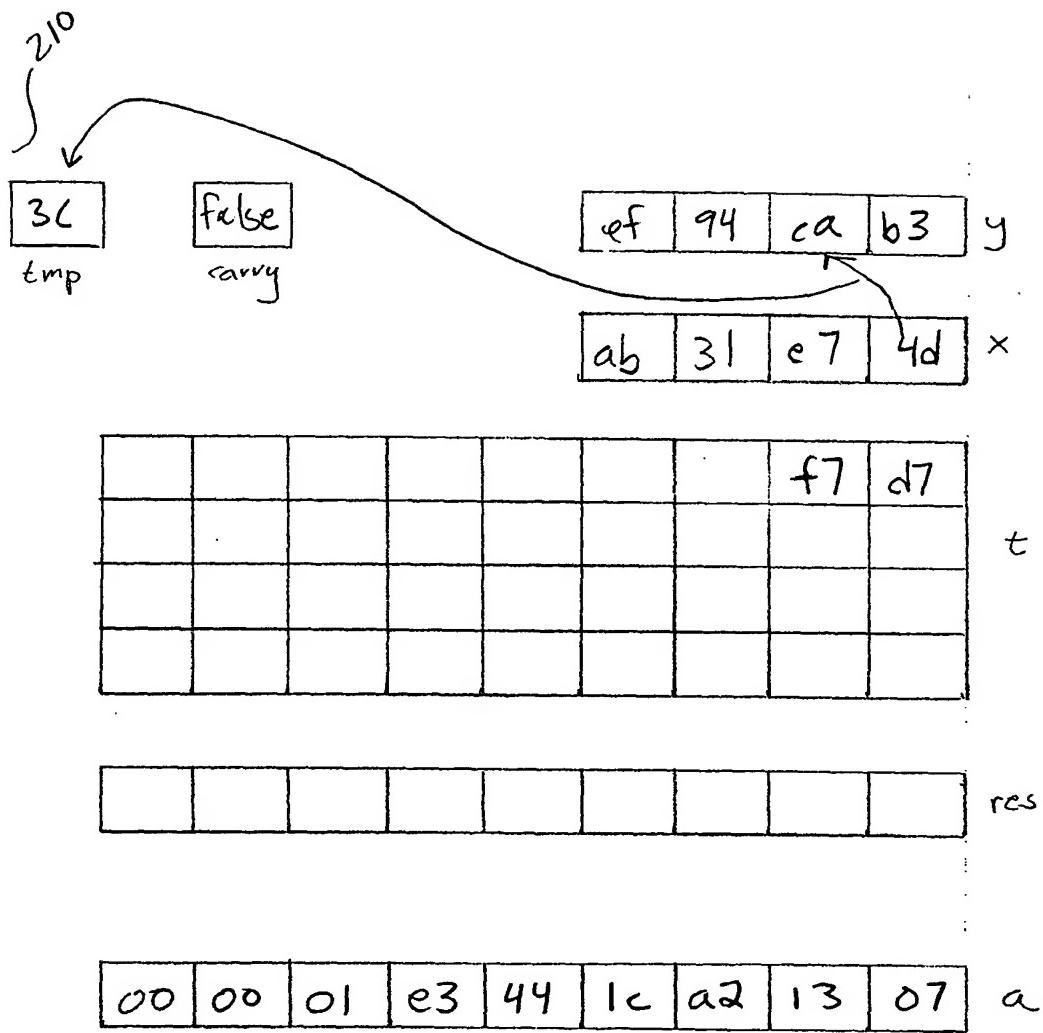


Figure 2E

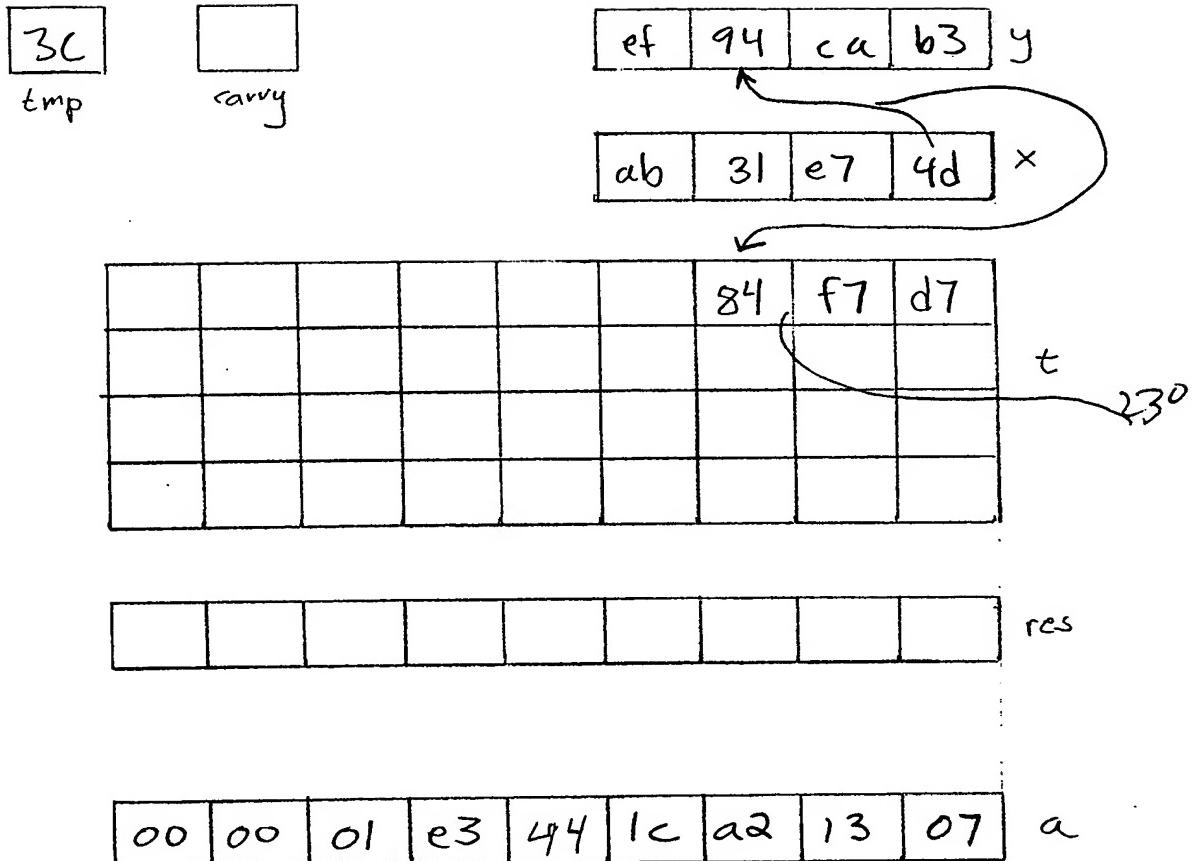


Figure 2F

2c

tmp

true

carry

ef	94	ca	b3	y
----	----	----	----	---

a6	31	e7	4d	x
----	----	----	----	---

				48	of	c0	f7	d7

t

res

00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 26

85

tmp

01

carry

ef	94	ca	b3	y
----	----	----	----	---

a6	31	e7	4d	x
----	----	----	----	---

232 ~

				48	0f	c0	f7	d7
			d8	2f	42	e7	85	

t

--	--	--	--	--	--	--	--	--

res

00	00	01	e3	44	1c	a2	13	07
----	----	----	----	----	----	----	----	----

a

Figure 2+1

1c

tmp

false

carry

ef	94	ca	b3
----	----	----	----

y

a6	31	c7	4d
----	----	----	----

x

				48	of	co	f7	d7
				d8	2f	42	e7	85
				2d	db	7a	cc	43

t

--	--	--	--	--	--	--	--	--

res

00	00	01	e3	44	1c	a2	13	07
----	----	----	----	----	----	----	----	----

a

Figure 2I

5f

tmp

true

carry

ef	94	ca	b3	y
----	----	----	----	---

a6	31	e7	4d
----	----	----	----

x

				48	of	c0	f7	d7
			d8	2f	42	e7	85	
		zd	db	7a	cc	43		
234		9b	5a	7b	70	12		

t

--	--	--	--	--	--	--	--	--

res

00	00	01	e3	44	1c	a2	13	07
----	----	----	----	----	----	----	----	----

a

Figure 25

5f

tmp

true

carry

ef	94	ca	b3	y
----	----	----	----	---

a6	31	e7	4d	x
----	----	----	----	---

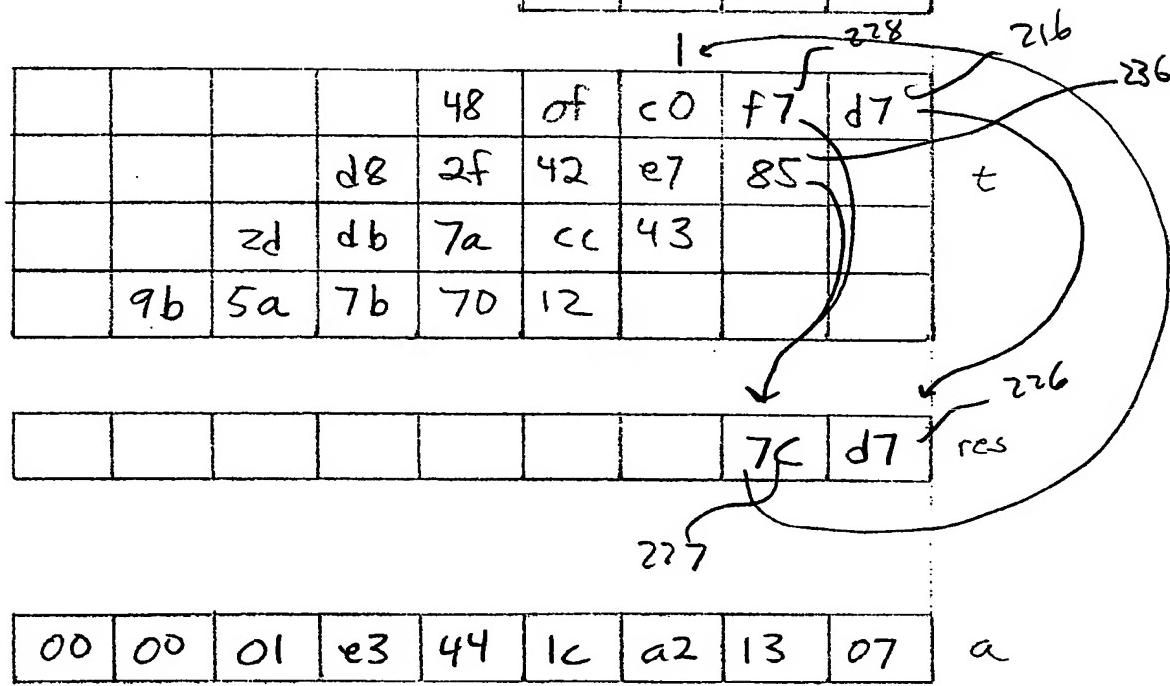


Figure 2K

5f

tmp

true

carry

ef	94	ca	b3
----	----	----	----

y

a6	31	e7	4d
----	----	----	----

x

				48	of	c0	f7	d7
			d8	2f	42	e7	85	
		zd	db	7a	cc	43		
9b	5a	7b	70	12				

t

9b	89	2f	62	30	eb	7c	d7
----	----	----	----	----	----	----	----

res

00	00	01	e3	44	1c	a2	13	07
----	----	----	----	----	----	----	----	----

a

Figure 2L

5f	true
tmp	carry

ef	94	ca	b3	y
----	----	----	----	---

a6	31	e7	4d	x
----	----	----	----	---

				48	of	c0	f7	d7
				d8	2f	42	e7	85
		zd	db	7a	cc	43		
	9b	5a	7b	70	12			

t

9b	89	2F	62	30	8d	8f	de		
9b	89	2F	62	30	8d	8f	de		
00	00	01	e3	44	1c	a2	13	07	a

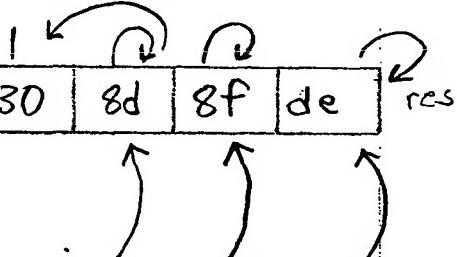


Figure 2M

5f

tmp

true

carry

ef	94	ca	b3
----	----	----	----

y

a6	31	e7	4d
----	----	----	----

x

				48	of	c0	f7	d7
			d8	2f	42	e7	85	
		zd	db	7a	cc	43		
	9b	5a	7b	70	12			

t

0	9b	8b	12	a6	4d	8d	8f	de
---	----	----	----	----	----	----	----	----

res

00	00	01	e3	44	1c	a2	13	07
----	----	----	----	----	----	----	----	----

a

Figure 2N

--

temp

--

carry

ef	94	ca	b3	y
----	----	----	----	---

ab	31	e7	4d	x
----	----	----	----	---

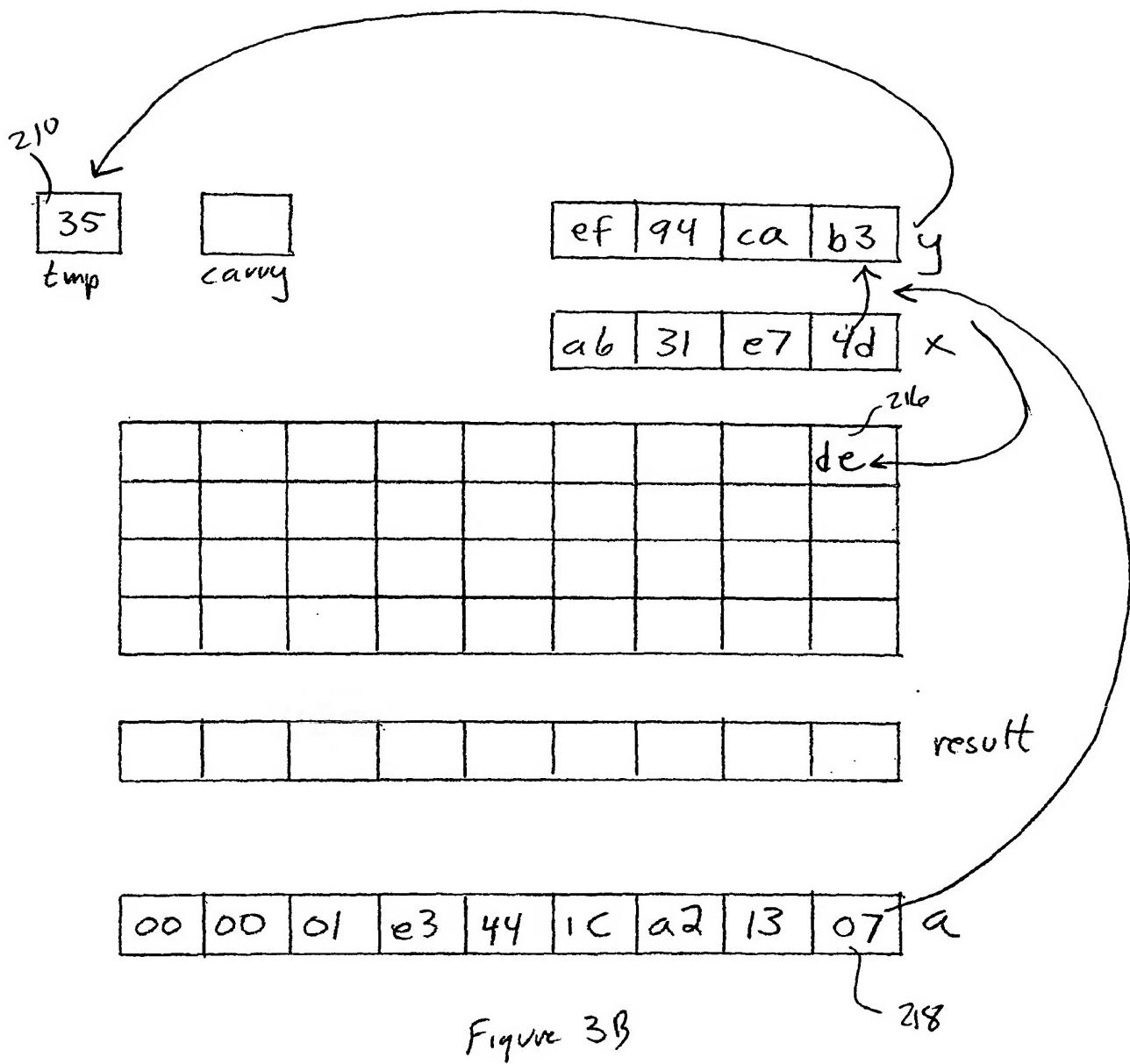
} t

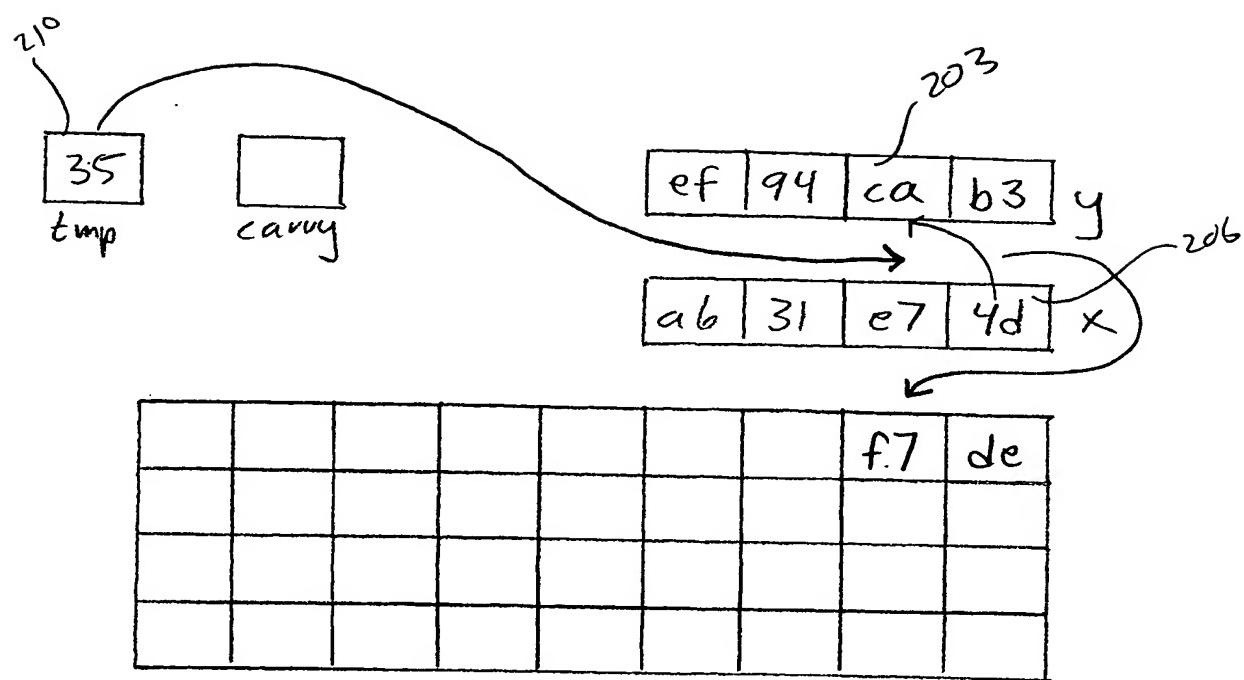
--	--	--	--	--	--	--	--	--

result

00	00	01	e3	44	1C	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

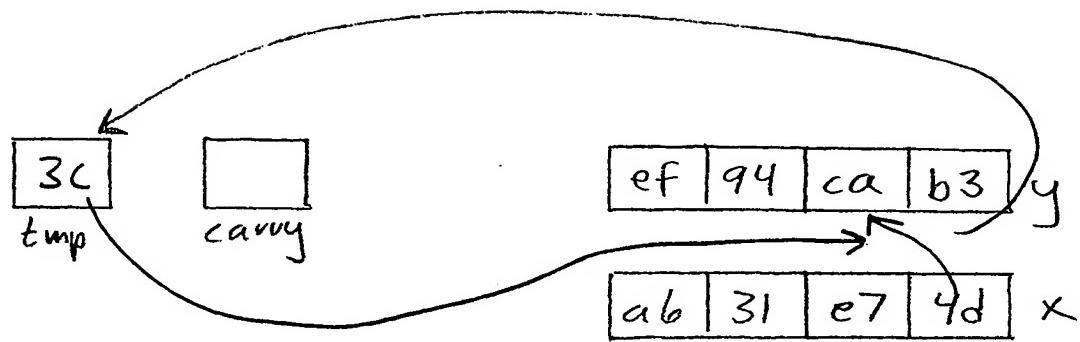
Figure 3A





00	00	01	e3	44	1C	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 3C

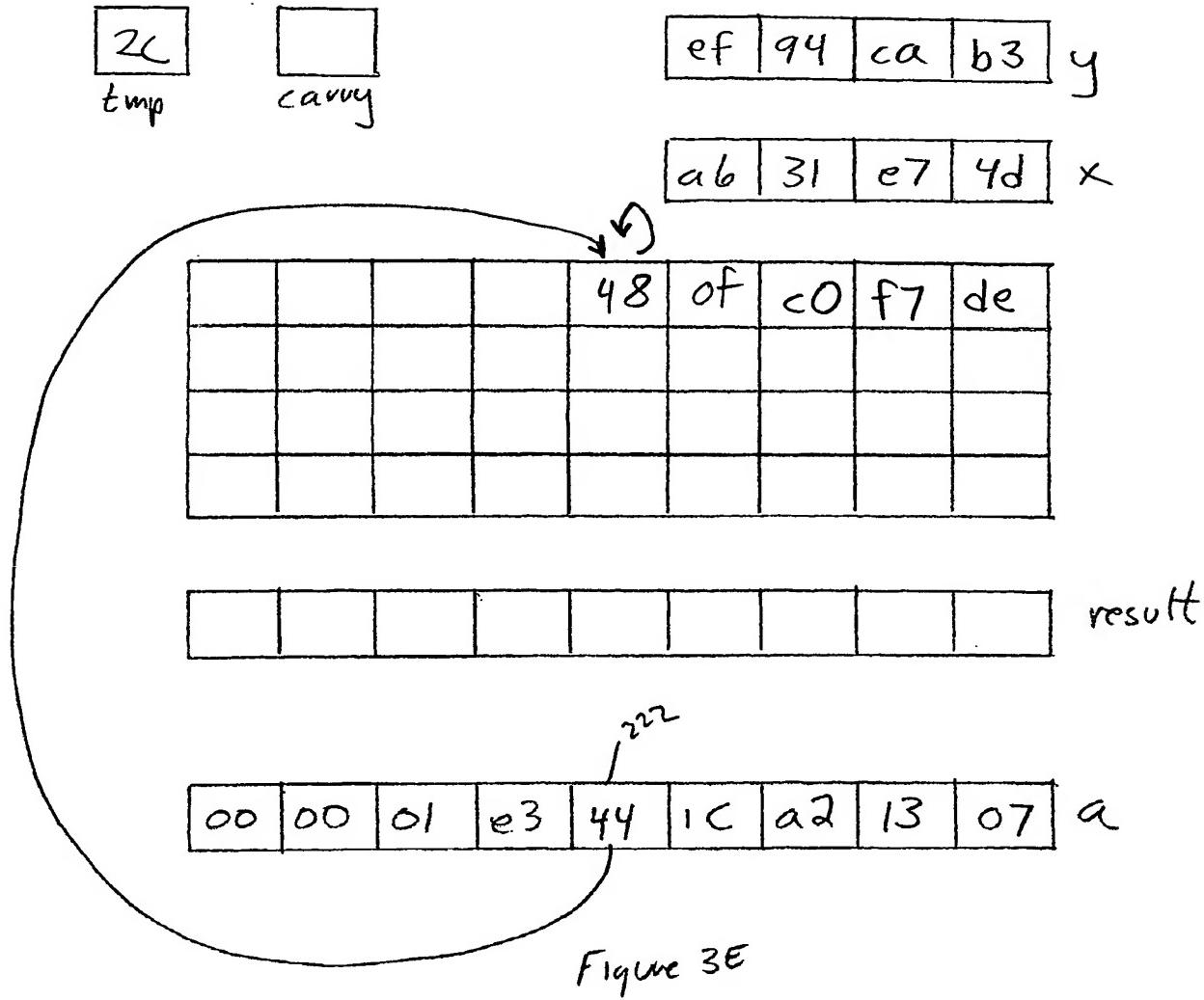


								f7	de

--	--	--	--	--	--	--	--	--	--

00	00	01	e3	44	1C	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 3D



2c

tmp

--

carry

ef	94	ca	b3	y
----	----	----	----	---

a6	31	e7	4d	x
----	----	----	----	---

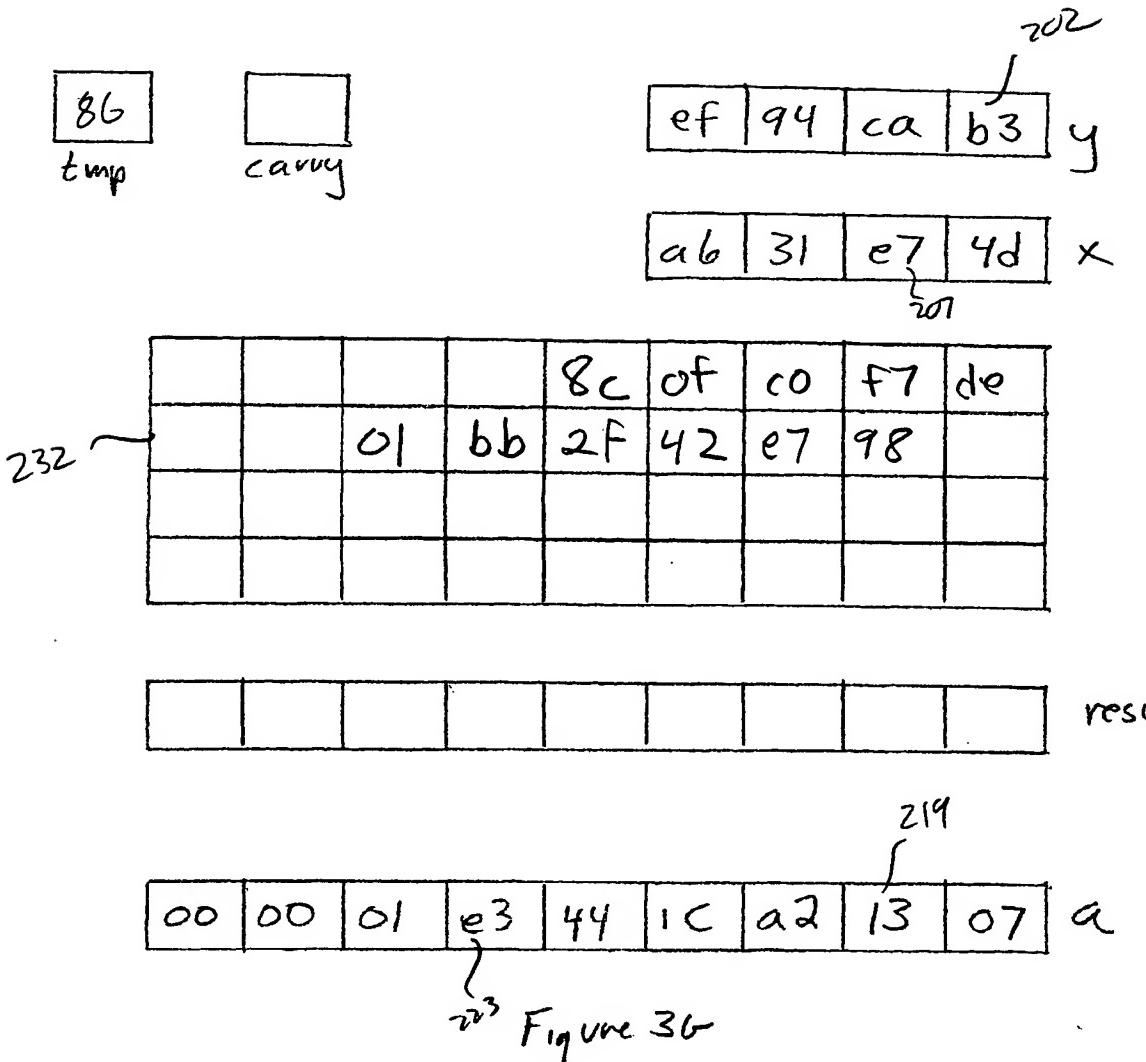
				8c	0F	c0	f7	de	

--	--	--	--	--	--	--	--	--	--

result

00	00	01	e3	44	1C	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 3F



1c

tmp

--

carry

ef	94	ca	b3	y
----	----	----	----	---

ab	31	e7	4d	x
----	----	----	----	---

				8c	0f	c0	f7	de
	01	bb	2f	42	e7	98		
	2e	db	7a	cc	e5			

--	--	--	--	--	--	--	--	--

result

00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 3H

60

tmp

--

carry

ef	94	ca	b3
----	----	----	----

y

ab	31	e7	4d
----	----	----	----

x

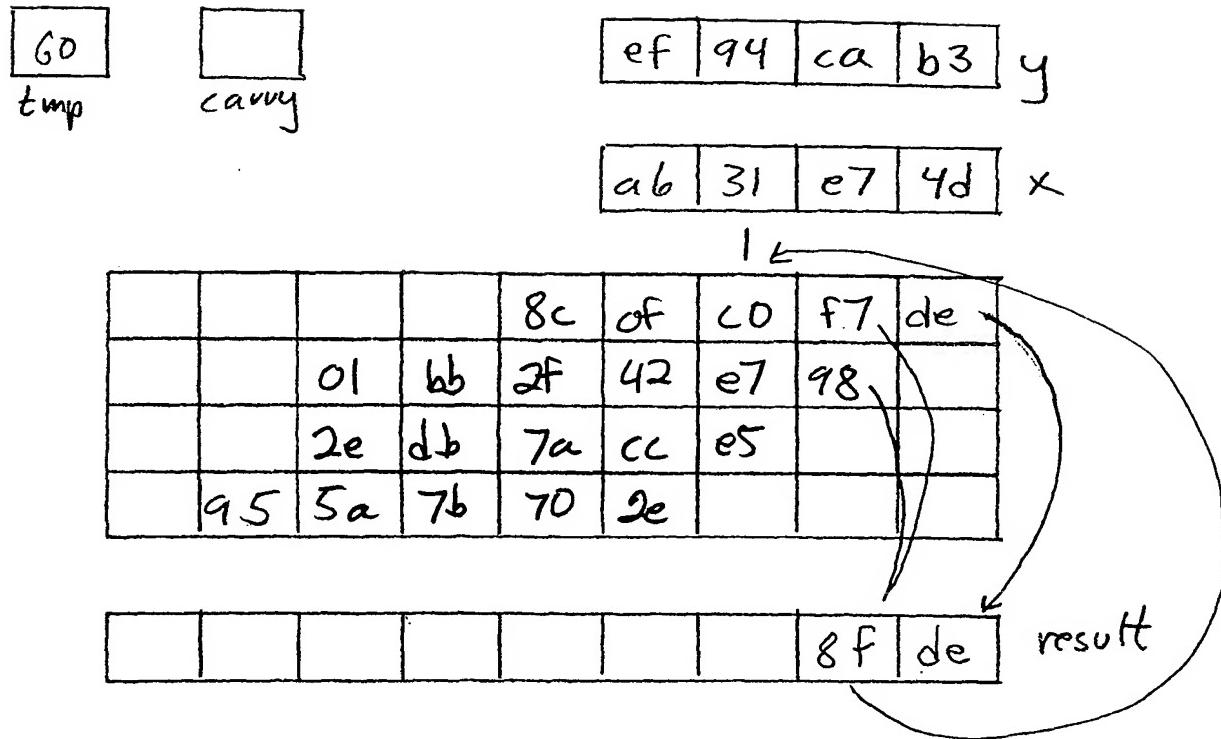
				8c	of	co	f7	de
	01	bb	2f	42	e7	98		
	2e	db	7a	cc	e5			
	9b	5a	7b	70	2e			

--	--	--	--	--	--	--	--	--

result

00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 3J



00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 3J

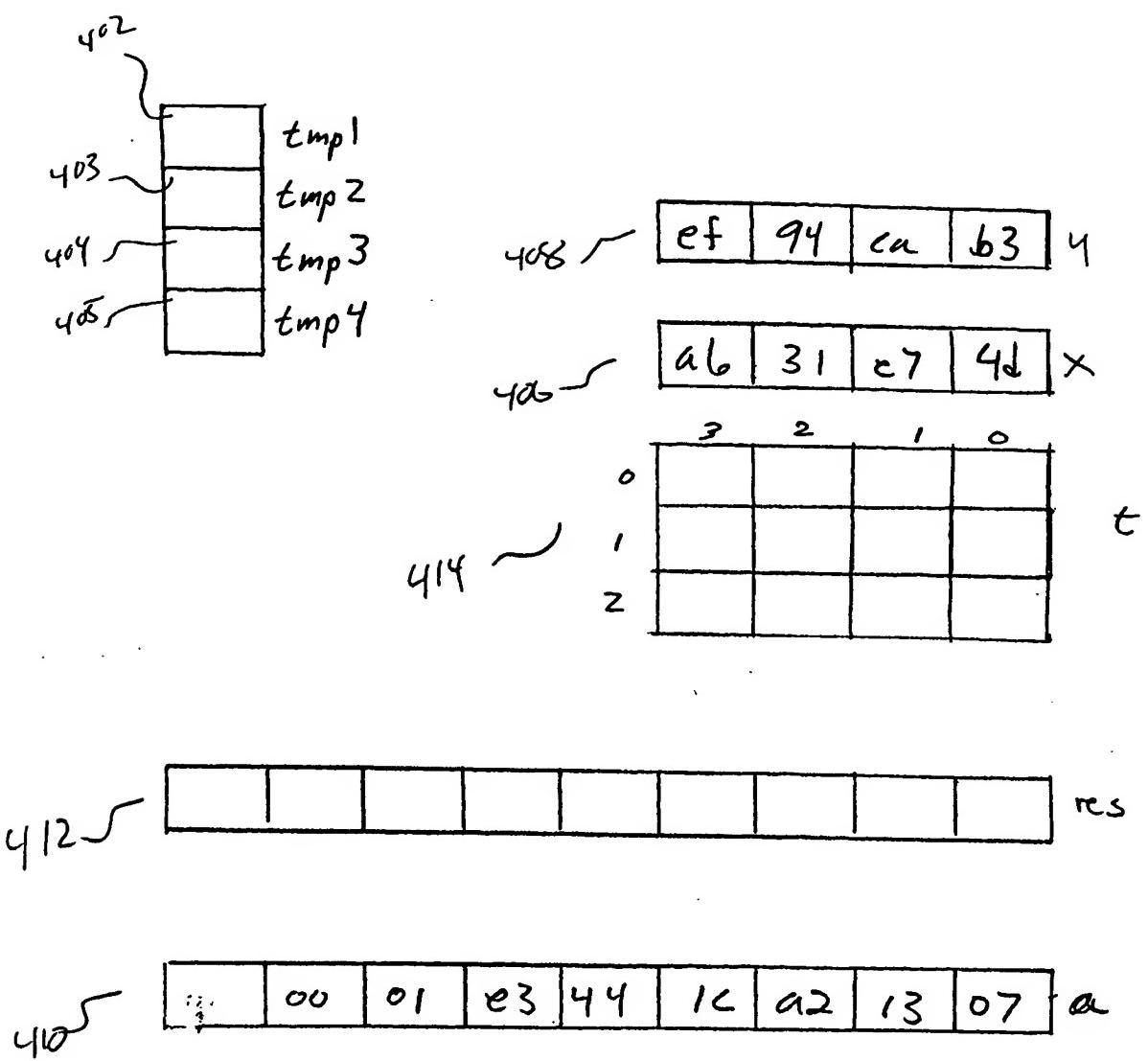


Figure 4A

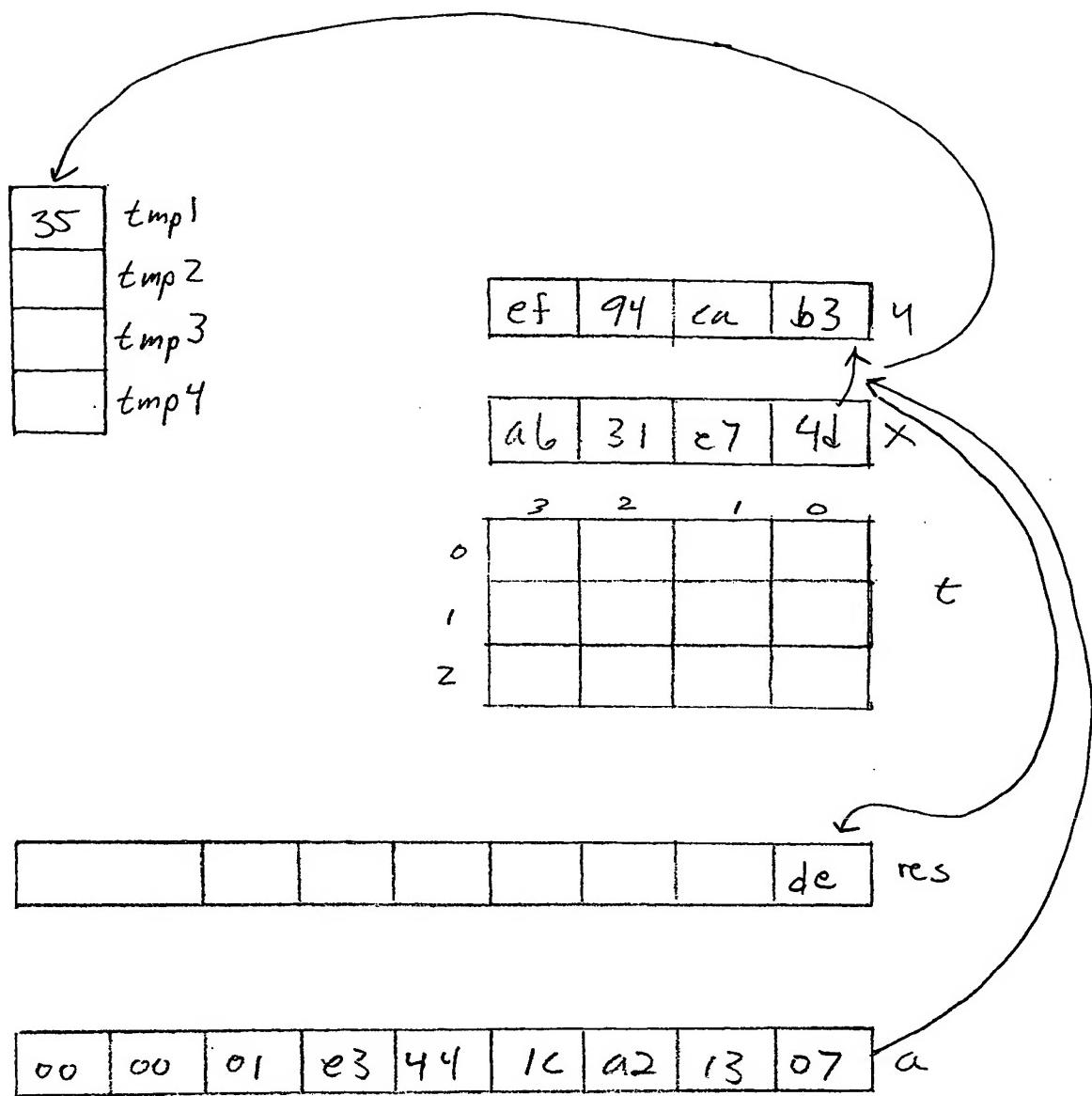


Figure 4B

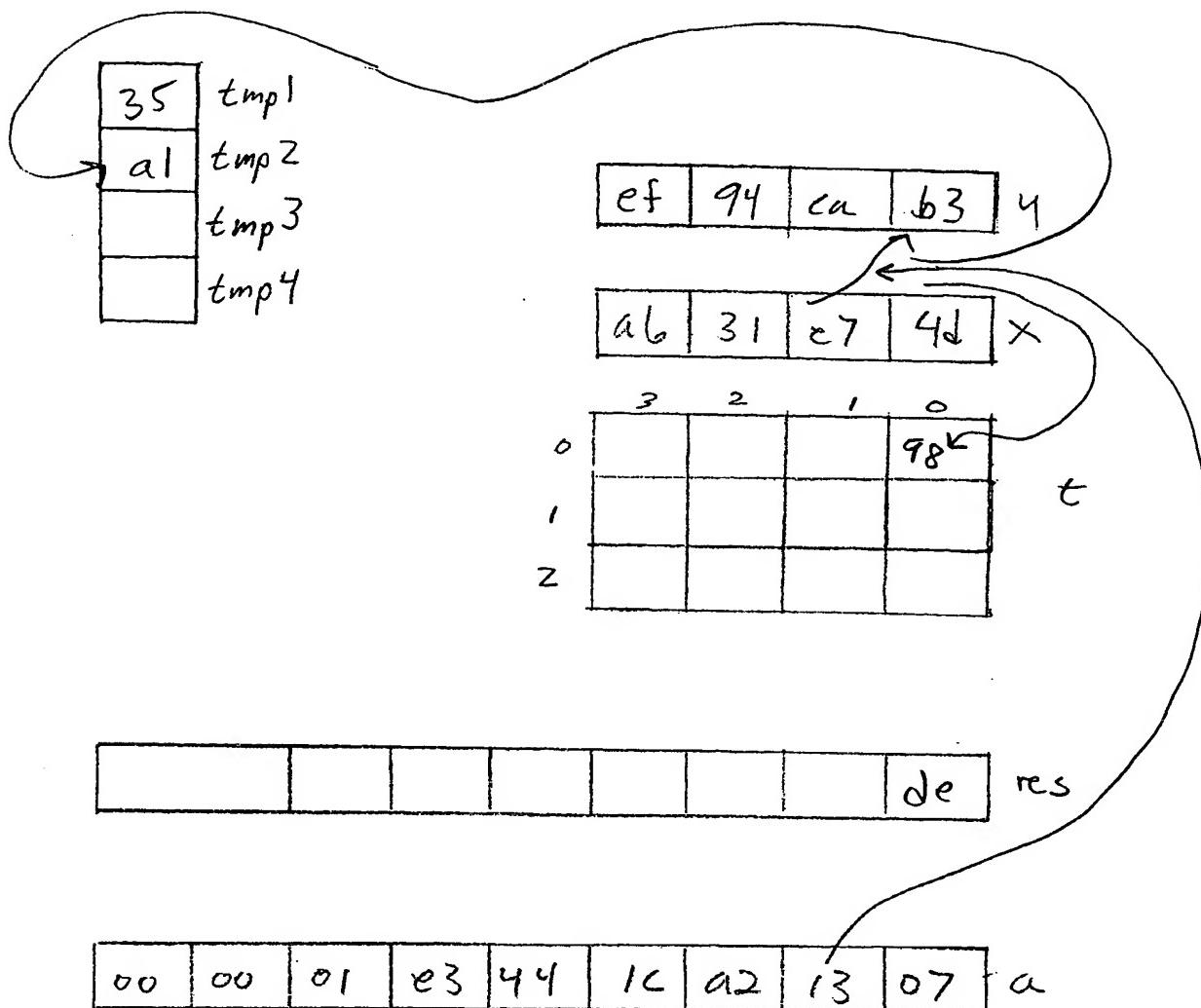


Figure 4C

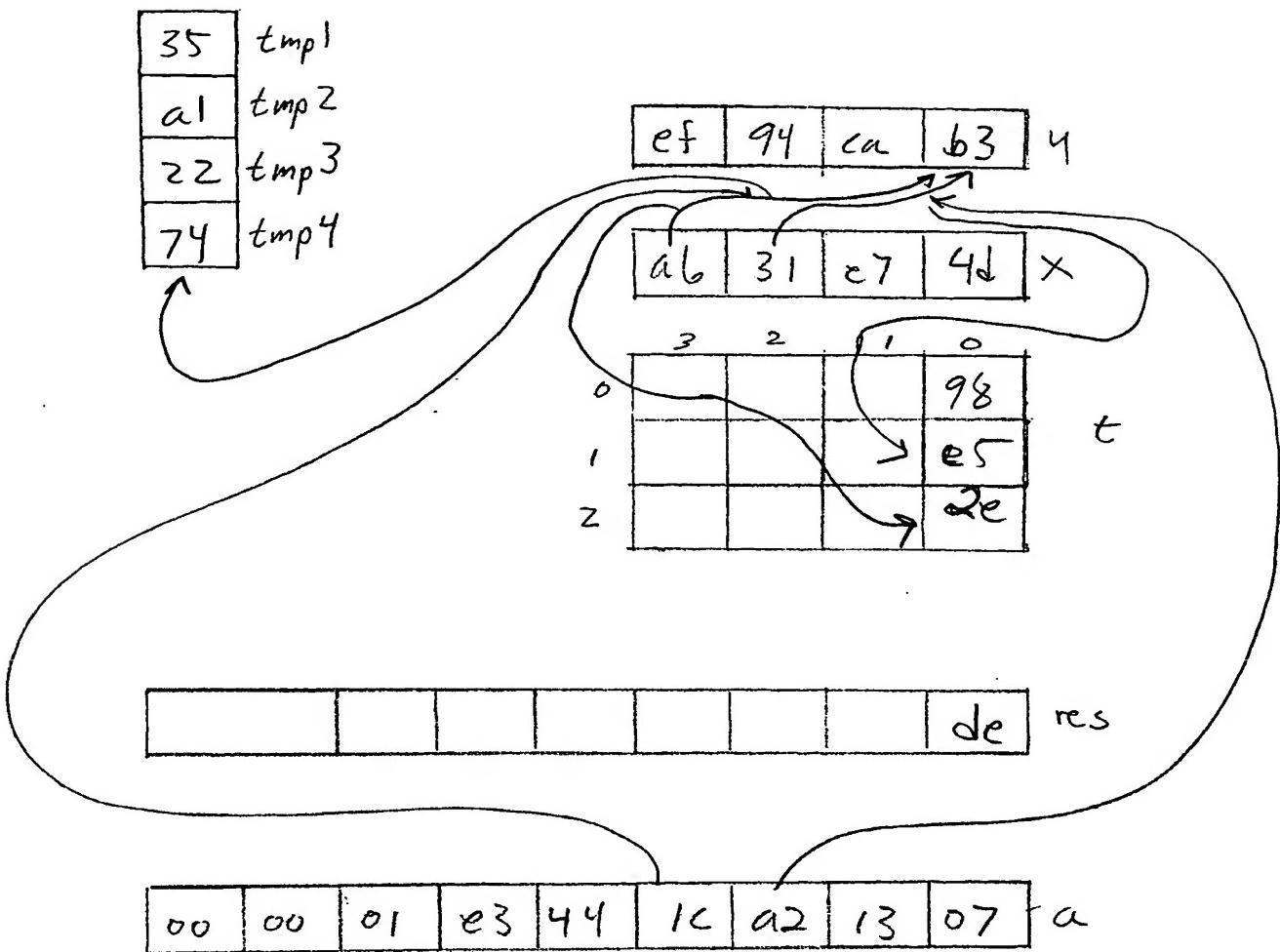
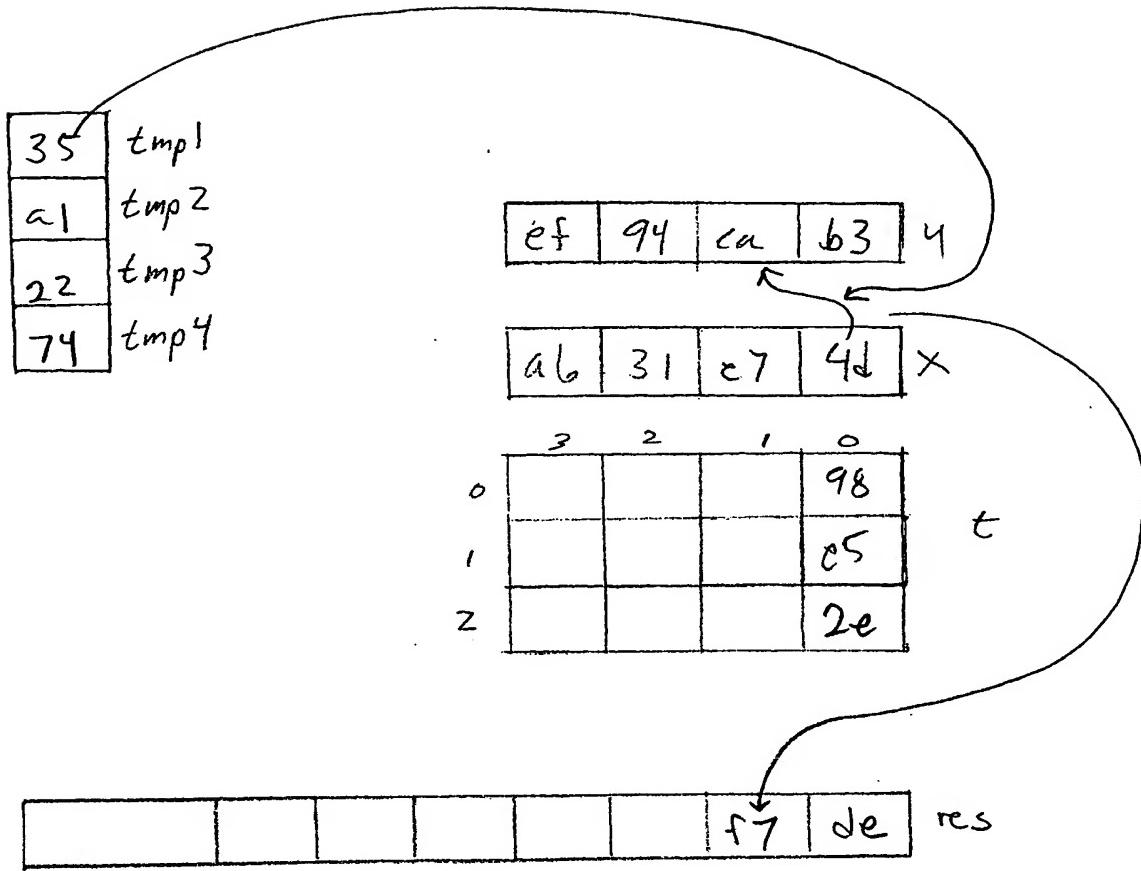
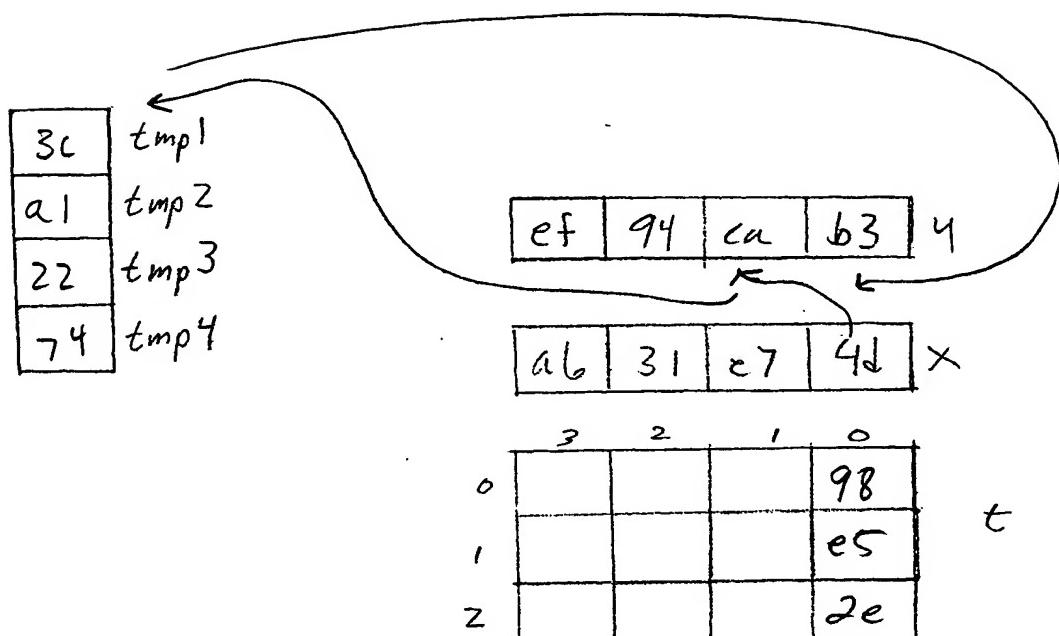


Figure 4D



00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 4E



						<code>f7</code>	<code>de</code>
--	--	--	--	--	--	-----------------	-----------------

`res`

<code>00</code>	<code>00</code>	<code>01</code>	<code>e3</code>	<code>44</code>	<code>1c</code>	<code>a2</code>	<code>13</code>	<code>07</code>	<code>a</code>
-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	----------------

Figure 4F

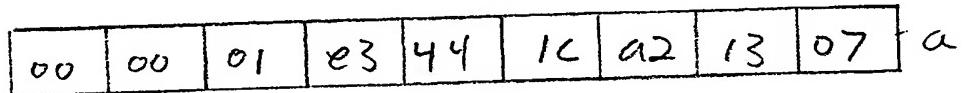
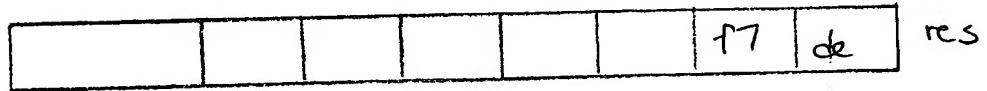
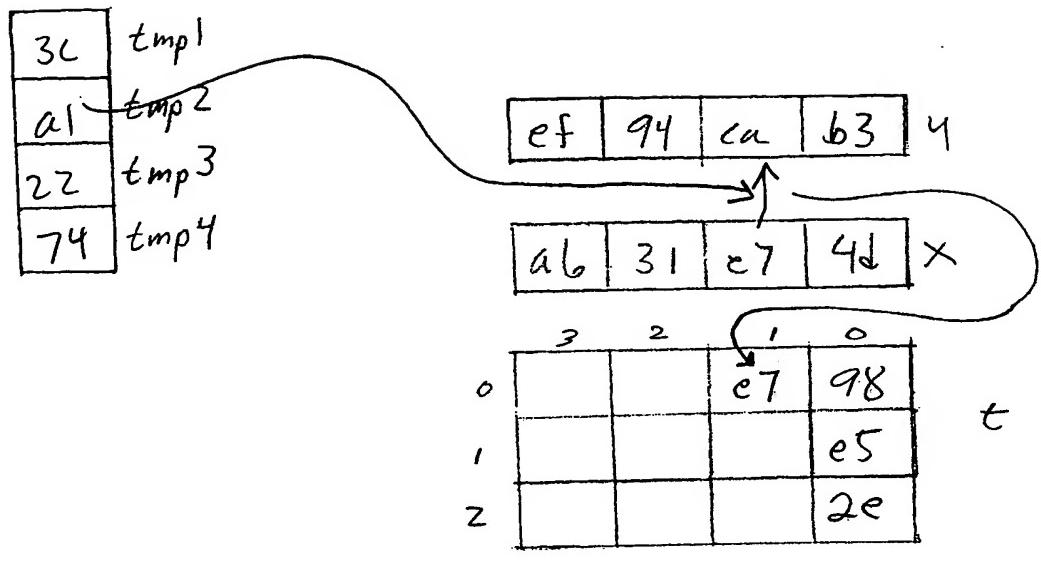
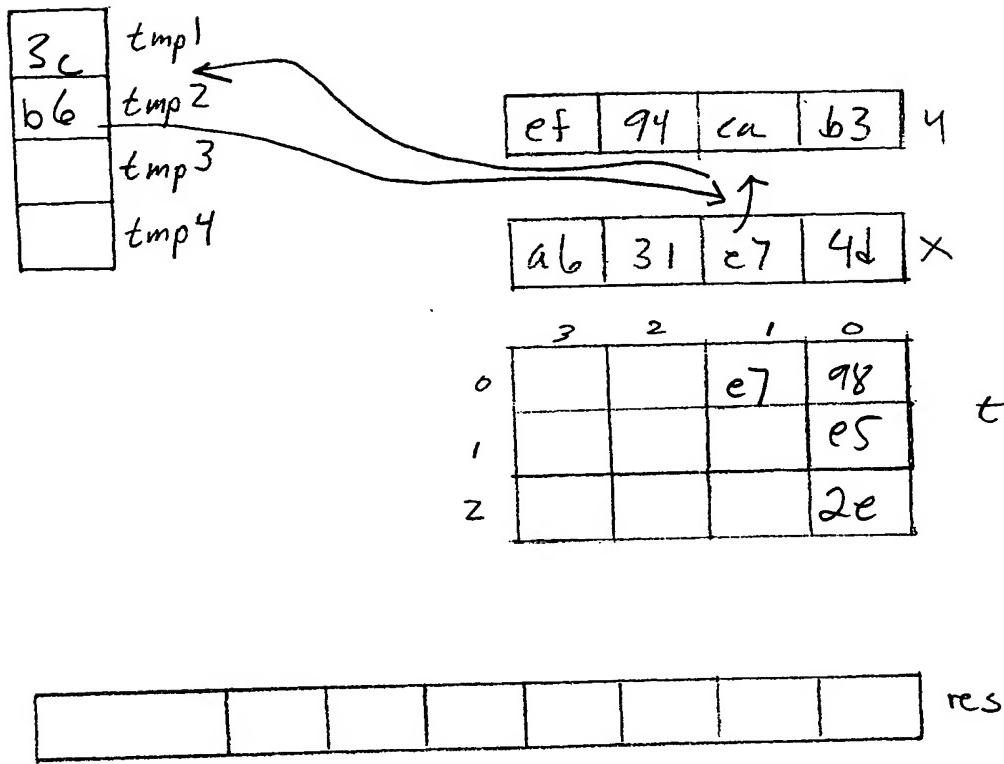


Figure 4f



00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 4H

3c	tmp1
b6	tmp2
26	tmp3
83	tmp4

ef	94	ca	b3	4
ab	31	c7	4d	x

	3	2	1	0
0			e7	98
1			cc	e5
2			70	2e

t

						f7	de	res
--	--	--	--	--	--	----	----	-----

00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 4I

2c	tmp1
86	tmp2
1c	tmp3
60	tmp4

ef	94	ca	b3	4
----	----	----	----	---

ab	31	c7	4d	x
----	----	----	----	---

	3	2	1	0
0		42	e7	98
1		7a	cc	e5
2		7b	70	2e

t

					co	f7	de	res
--	--	--	--	--	----	----	----	-----

00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 4J

2c	tmp ¹
86	tmp ²
1c	tmp ³
60	tmp ⁴

ef	94	ca	b3	y
ab	31	c7	4d	x

0	2f	42	e7	98
1	db	7a	cc	e5
2	5a	7b	70	2e

t

9b	2d	d8	48	of	c0	f7	de	res
----	----	----	----	----	----	----	----	-----

00	00	01	e3	44	1c	a2	13	07	a
----	----	----	----	----	----	----	----	----	---

Figure 4K